

RECORDS AND REPORTS	1
<i>INTRODUCTION</i>	<i>1</i>
<i>PUBLIC RECORDS.....</i>	<i>1</i>
UNIFORM FILING SYSTEM	3
<i>CONTRACT DOCUMENTS</i>	<i>3</i>
<i>CORRESPONDENCE</i>	<i>3</i>
<i>CONSTRUCTION REPORTS.....</i>	<i>4</i>
<i>TEST REPORTS.....</i>	<i>4</i>
<i>INSPECTION REPORTS.....</i>	<i>5</i>
<i>CONTRACTOR'S PAYROLL DATA.....</i>	<i>5</i>
CORRESPONDENCE	6
<i>GENERAL.....</i>	<i>6</i>
<i>CORRESPONDENCE BY EMAIL.....</i>	<i>7</i>
<i>TIPS FOR CORRESPONDENCE.....</i>	<i>8</i>
<i>EXAMPLE CORRESPONDENCE.....</i>	<i>9</i>
<i>FIELD MEETING FOLLOW-UP</i>	<i>10</i>
<i>CLAIM RESPONSE.....</i>	<i>11</i>
<i>CONTRACTOR'S REQUEST FOR INFORMATION.....</i>	<i>13</i>
<i>DEPARTMENT RESPONSE TO RFI</i>	<i>15</i>
<i>RESPONSE TO CLARIFICATION REQUEST</i>	<i>18</i>
<i>NOTICE OF INTENT TO FILE A CLAIM</i>	<i>19</i>
<i>ACKNOWLEDGEMENT OF NOTICE OF INTENT.....</i>	<i>21</i>
<i>RESPONSE TO NOTICE OF INTENT.....</i>	<i>23</i>
<i>TOTAL COST CLAIM</i>	<i>25</i>
CORRESPONDENCE FOR CONSTRUCTION CONFERENCES	33
<i>PRECONSTRUCTION CONFERENCE.....</i>	<i>33</i>
<i>PRECONSTRUCTION CONFERENCE NOTICE</i>	<i>35</i>
<i>RECOMMENDED TOPICS FOR PRECONSTRUCTION CONFERENCE.....</i>	<i>37</i>
<i>FINAL PROJECT INSPECTION.....</i>	<i>42</i>
<i>FINAL INSPECTION COMMON FINAL PUNCH LIST ITEMS</i>	<i>43</i>
<i>PRECONSTRUCTION CONFERENCE MINUTES.....</i>	<i>47</i>
<i>MONTHLY CONSTRUCTION CONFERENCE.....</i>	<i>51</i>
<i>RECOMMENDED TOPICS FOR MONTHLY CONSTRUCTION CONFERENCE.....</i>	<i>51</i>
<i>MONTHLY CONSTRUCTION MEETING MINUTES</i>	<i>53</i>
INSPECTOR'S DAILY REPORT	57
<i>INSPECTOR'S DAILY REPORT EXAMPLES</i>	<i>65</i>
<i>TIPS FOR WRITING INSPECTOR'S DAILY REPORTS.....</i>	<i>75</i>

PROJECT DIARY	76
<i>PROJECT DIARY EXAMPLE</i>	<i>81</i>
ENGINEER'S WEEKLY SUMMARY	83
<i>ENGINEER'S WEEKLY SUMMARY EXAMPLE</i>	<i>85</i>
ACCEPTANCE OF MATERIALS	86
<i>GENERAL.....</i>	<i>86</i>
<i>FAILING TEST REPORTS AND FIELD INSPECTION REPORTS</i>	<i>86</i>
<i>INDEPENDENT ASSURANCE TESTING.....</i>	<i>87</i>
MATERIALS RECEIVED REPORTING	88
PROGRESS SCHEDULE.....	91
<i>SAMPLE NARRATIVE.....</i>	<i>94</i>
<i>SAMPLE PROGRESS SCHEDULE CHART.....</i>	<i>98</i>
REQUIRED POSTERS TO BE DISPLAYED BY THE CONTRACTOR.....	100
TRAINING REQUIREMENT	103
<i>PROGRAM ADMINISTRATION – ALTERNATE PROGRAM.....</i>	<i>103</i>
DISTRIBUTION OF REPORTS.....	104
<i>DISTRIBUTION OF REPORTS.....</i>	<i>105</i>
ANNUAL EEO REPORT – FHWA FORM 1391.....	108
REQUESTS FOR SUBCONTRACT	111
<i>PRIME CONTRACTOR SUBLetting CONDITIONS.....</i>	<i>111</i>
<i>RESIDENT ENGINEER RESPONSIBILITIES</i>	<i>112</i>
DISADVANTAGED BUSINESS ENTERPRISE / MINORITY BUSINESS ENTERPRISE / WOMEN BUSINESS ENTERPRISE	116
PAYMENT FOR LEFTOVER MATERIALS.....	122
SUPPLEMENTAL AGREEMENTS	123
<i>SUPPLEMENTAL AGREEMENT PREPARATION AND NEGOTIATING</i>	<i>124</i>
<i>SCOPE OF WORK</i>	<i>124</i>
<i>MATERIALS</i>	<i>125</i>
<i>LABOR.....</i>	<i>125</i>
<i>EQUIPMENT.....</i>	<i>125</i>
<i>TIMING.....</i>	<i>125</i>

<i>PRICING</i>	126
<i>RISK</i>	127
<i>MARKUP</i>	128
<i>WORDING OF DESCRIPTION, LOCATION AND JUSTIFICATION AND CONTRACT TIME</i>	128
<i>CONTRACT TIME</i>	130
<i>FORCE ACCOUNT WORK</i>	131
<i>SUPPLEMENTAL AGREEMENT CHART</i>	132
<i>CHECKLIST FOR COMPLETION OF SUPPLEMENTAL AGREEMENT</i>	133
FORCE ACCOUNT WORK	134
<i>GENERAL</i>	134
<i>DOCUMENTATION OF FORCE ACCOUNT WORK</i>	137
<i>DETAILED STATEMENT OF FORCE ACCOUNT WORK</i>	137
<i>SUMMARY – FORM 480</i>	137
<i>MATERIALS (FORM 480A)</i>	139
<i>LABOR/LABOR – OVERTIME/LABOR ADDITIVES/TRAVEL (FORM 480B)</i>	140
<i>EQUIPMENT/RENTAL-OWNER-OPERATED EQUIPMENT (FORM 480C)</i>	143
<i>FORCE ACCOUNT NOTICE –SAMPLE</i>	159
FORCE ACCOUNT CONSTRUCTION METHOD ON FEDERAL AID PROJECT	161
CONSTRUCTION PROCEDURE FOR CLAIMS	164
<i>ACTIVE CLAIMS</i>	164
<i>FINAL CLAIMS</i>	165
PROJECT CLOSEOUT CONFERENCE	165
PROCEDURES FOR RECORDING INFORMATION RELATING TO PAYMENTS FOR A CONTRACT	167
SPECIFIC INSTRUCTIONS PERTAINING TO ALL ENTRIES MADE IN PAY RECORD BOOKS AND ESITMATE WORK BOOKS	168
<i>ROADWAY ITEMS</i>	169
<i>LUMP SUM ITEMS</i>	169
<i>PER EACH ITEMS</i>	169
<i>CUBIC MEASUREMENT ITEMS</i>	170
<i>LINEAR MEASUREMENT ITEMS</i>	171
<i>SQUARE MEASUREMENT ITEMS</i>	171
<i>WEIGHT ITEMS</i>	171
<i>PIPE – OTHER THAN SUBDRAIN</i>	172
<i>PROOF ROLLING</i>	172
<i>FERTILIZER OR FERTILIZER TOPDRESSING</i>	172
<i>PRIME COAT AND ASPHALT CURING SEAL</i>	172
<i>INDIVIDUAL ITEMS THAT HAVE DIFFERENT UNITS OF MEASUREMENT</i>	172
<i>STRUCTURE ITEMS</i>	173

<i>SUPERSTRUCTURE ITEMS</i>	173
<i>SUBSTRUCTURE ITEMS</i>	174
<i>LUMP SUM ITEMS – NOT CONSIDERED A COMPONENT OF ANY ONE STRUCTURE ITEM</i>	174
<i>BEARING PILES</i>	174
<i>SHEET PILES</i>	174
<i>EXCAVATION – CUBIC METER (CUBIC YARD)</i>	174
<i>CULVERT EXCAVATION</i>	175
<i>SPECIAL ITEMS</i>	175
<i>CLASS A CONCRETE</i>	175
SOURCE DOCUMENTS, MEASUREMENTS AND SIGNIFICANT FIGURES	176
WEIGHT TICKETS AS A BASIS OF PAYMENTS	178
<i>GENERAL</i>	178
<i>TICKETS ISSUED FOR A PAYMENT BY WEIGHT</i>	178
PROOF ROLLING DAILY REPORT	180
PRIME COAT AND ASPHALT CURING SEAL APPLICATIONS	184
<i>GENERAL</i>	184
<i>MEASUREMENT</i>	184
<i>DEDUCTION</i>	184
DOCUMENTATION OF PARTIAL PAY ESTIMATES.....	186
<i>GENERAL</i>	186
<i>SOURCE DOCUMENTS FOR PAYMENT</i>	186
<i>ESTIMATE WORKBOOKS</i>	186
<i>ESTIMATED EARTHWORK QUANTITIES</i>	187
<i>DOCUMENTATION PROCEDURES</i>	187
PREPARATION OF PARTIAL PAY ESTIMATES	188
<i>GENERAL</i>	188
<i>ESTIMATE PERIOD</i>	188
<i>ALLOWABLE PREPARATION TIME</i>	188
<i>MID-PERIOD PARTIAL ESTIMATE</i>	188
<i>INSUFFICIENT WORK FOR PAYMENT</i>	189
<i>CERTIFIED PAYROLLS</i>	189
<i>MATERIALS RECEIVED</i>	189
<i>ESTIMATE PROCESSING PROCEDURES</i>	190
<i>REVIEW ESTIMATE SCREEN</i>	190
<i>OPEN ISSUES</i>	191
<i>DAMAGES TAB (ANTICIPATED LIQUIDATED DAMAGES)</i>	192
<i>SUBMITTING PARTIAL PAY ESTIMATES</i>	192

PAYMENT FOR MOBILIZATION	193
<i>CONTRACTS OTHER THAN RESURFACING.....</i>	<i>193</i>
<i>RESURFACING CONTRACTS.....</i>	<i>193</i>
PAYMENT FOR STRUCTURAL STEEL	194
<i>GENERAL.....</i>	<i>194</i>
<i>MATERIAL PAYMENTS FOR UNFABRICATED STRUCTURAL STEEL.....</i>	<i>194</i>
FEMA CERTIFICATION	196
<i>GREEN-SHEETS FEMA CERTIFICATION COMMITMENT</i>	<i>197</i>
<i>SAMPLE AS-BUILT LETTER FROM HYDRAULICS</i>	<i>198</i>
<i>FEMA CERTIFICATION SAMPLE BRIDGE PLAN SHEET.....</i>	<i>199</i>
<i>FEMA CERTIFICATION SAMPLE CULVERT PLAN SHEETS.....</i>	<i>200</i>
BILL OF SALE AND CONSENT OF SURETY	202
<i>BILL OF SALE – MATERIALS SAMPLE</i>	<i>203</i>
<i>CONSENT OF SURETY – MATERIALS SAMPLE.....</i>	<i>204</i>
PERMIT BOND	205
<i>PERMIT BOND – SAMPLE</i>	<i>206</i>
FINAL ESTIMATE ASSEMBLY PREPARATION PROCEDURES	208
<i>GENERAL.....</i>	<i>208</i>
<i>PREPARATION AND CHECKING</i>	<i>208</i>
<i>BY THE RESIDENT ENGINEER</i>	<i>208</i>
<i>BY THE DIVISION ENGINEER.....</i>	<i>210</i>
<i>BY THE CONSTRUCTION UNIT</i>	<i>211</i>
<i>THE FINAL ESTIMATE ASSEMBLY</i>	<i>211</i>
<i>TRANSMITTAL LETTER.....</i>	<i>211</i>
<i>CONTRACT TIME EXTENSION REPORT.....</i>	<i>211</i>
<i>LIQUIDATED DAMAGES REPORT.....</i>	<i>212</i>
<i>CONTRACTUAL OVERRUN CALCULATION SHEETS.....</i>	<i>212</i>
<i>AS-CONSTRUCTED PLANS AND CROSS-SECTIONS</i>	<i>213</i>
<i>SUPPORTING DOCUMENTS</i>	<i>215</i>
<i>PAY RECORD BOOKS.....</i>	<i>215</i>
<i>TICKET BOOKS.....</i>	<i>215</i>
<i>COMPUTER EARTHWORK COMPUTATION SHEETS</i>	<i>215</i>
<i>EARTHWORK COMPUTATION SHEETS</i>	<i>215</i>
<i>COMPUTING IRREGULAR SURFACES</i>	<i>216</i>
<i>SUPPLEMENTAL AGREEMENTS, COMPLETION DATE EXTENSIONS, AND RELEASE OF CLAIM.....</i>	<i>216</i>
<i>PROJECT DIARIES.....</i>	<i>216</i>
<i>DBE/MB/WB SUBCONTRACT COMMITMENT SUMMARY</i>	<i>216</i>
<i>STATUS OF FINAL ESTIMATE.....</i>	<i>217</i>

FINAL ESTIMATE CHECKING PROCEDURES	217
PROJECT CERTIFICATION	223
DESIGN BUILD CONTRACT ADMINISTRATION GUIDELINES	226
PROJECT CLOSEOUT PROCESS FOR DIVISION LET CONTRACTS	232
FINAL VOUCHER PROCESS FOR FEDERALLY FUNDED CONTRACTS	234
GENERAL.....	234
CENTRALLY LET FEDERALLY FUNDED CONTRACTS.....	234
DIVISION LET FEDERALLY FUNDED CONTRACTS	235
LOCALLY ADMINISTERED, FEDERALLY FUNDED CONTRACTS.....	232
NCDOT FINAL ACCEPTANCE REPORT FORM 1446B	237
RETENTION AND STORAGE OF PROJECTS RECORDS AND DOCUMENTS.....	240
12 MONTH PROJECT GUARANTEES	241
CONSTRUCTION QUALITY INDEX EVALUATION	244
LOCALLY ADMINISTERED CONTRACTS	244
FORMS AND EXAMPLES	253
INSPECTOR'S DAILY REPORT.....	255
PROJECT DIARY	257
ENGINEER'S WEEKLY SUMMARY.....	259
PROGRESS SCHEDULE CHART.....	260
PROOF POLLING DAILY REPORT.....	262
ANNUAL FHWA 1391	263
SUBCONTRACT APPROVAL FORM	264
SUBCONTRACT APPROVAL FORM INSTRUCTIONS.....	265
SUBCONTRACT APPROVAL FORM – ATTACHMENT	267
ADDITIONAL SECOND TIER SUBCONTRACTOR FORM	268
REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND RATE.....	269
EXAMPLE TRUCKING PLAN	270
TRUCK MONITORING FORM EXAMPLE	272
TRUCK MONITORING FORM.....	273
JOINT CHECK FORM	274
DBE/MBE/WBE REPLACEMENT REQUEST FORM	275
SUPPLEMENTAL AGREEMENT PRICING FORM	276
FORCE ACCOUNT SUMMARY FORM 480	277
FORM 480A MATERIALS.....	278
FORM 480B LABOR	279
FORM 480B LABOR OVERTIME.....	280
FORM 480B LABOR SUMMARY.....	281

<i>FORM 480B LABOR ADDITIVES</i>	282
<i>FORM 480B TRAVEL METHOD A</i>	283
<i>FORM 480B TRAVEL METHOD B</i>	284
<i>FORM 480B TRAVEL SUMMARY</i>	285
<i>FORM 480C EQUIPMENT</i>	286
<i>FORM 480C OWNER/OPERATOR EQUIPMENT</i>	287
<i>CERTIFICATE OF LIABILITY INSURANCE</i>	288
<i>ABC SAMPLING LOG FORM EXAMPLE</i>	290
<i>ABC SAMPLING LOG FORM</i>	291
<i>FORCE ACCOUNT CONSTRUCTION</i>	292
<i>SAMPLE AFFIDAVIT</i>	293
<i>SAMPLE CONSENT OF SURETY</i>	294
<i>DBE/MBE/WBE/ SUBCONTRACT COMMITMENT PAYMENT SUMMARY</i>	295
PAY RECORD BOOK, ESTIMATE WORK BOOK AND PARTIAL PAYMENT CROSS REFERENCE SYSTEMS	296
<i>PAY RECORD BOOK EXAMPLES</i>	297
<i>TITLE PAGE</i>	298
<i>INDEX</i>	299
<i>PERSONNEL PAGE</i>	300
<i>GENERAL NOTES</i>	301
<i>ROADWAY EXAMPLES</i>	302
<i>STRUCTURE EXAMPLES</i>	382
<i>ADDITIONAL CONTRACT ITEM EXAMPLES</i>	414
<i>SUMMARY EXAMPLES</i>	416
<i>ESTIMATE WORK BOOK EXAMPLES</i>	419
<i>TITLE PAGE</i>	420
<i>INDEX</i>	421
<i>PERSONNEL PAGE</i>	422
<i>ROADWAY EXAMPLES</i>	423
<i>STRUCTURE EXAMPLES</i>	431
<i>PARTIAL PAYMENT CROSS-REFERENCE SYSTEM EXAMPLES</i>	436